

Work Order ID 158446***158446***

Page 1

Wednesday, March 22, 2017 2:08:12 PM

Item ID: D350-636-011 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Skidtube LH, Std Wearplates, DART (Apical) Cylindrical/Aerazur Float Comp.
Start Date: 3/22/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 3/31/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: mf Date: 17-3-22 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2750-041	G								DAS 21 9-89 17-03-28
100		0.00							
100									
Packaging	Memo	0.00							Smb 17/3/22
Packaging	PULL FROM STOCK D350-636-011 X 1 B153432								
	REMOVE D2741 X 1 B148028 AND RETURN TO STOCK UNDER ORIGINAL BATCH NUMBER FOR A SALES ORDER								
	REPLACE WHEN AVAILABLE								
110	QC4- 100% Inspect kits for completeness	0.00							
110									
QC	Memo	0.00							DAS 27 9-89 MAR 28 2017
Quality Control									

DART aerospace		1270 ABERDEEN ST. HAWKESBURY ON CANADA K6A 1K7 TEL: 1-813-639-0201 www.dartaero.com	
PATENT	US #5735484 / CA #22221847 / EURO #0828655		
P/N	D350-636-011	CHG	CHG007
DESC.	Skidtube LH	STC	SH99-7
LOT	B153432	STC	SR00646SE
MODEL	AS350/355	STC	
TC APPROVAL # 09-89		MADE IN CANADA	
		D2729-4	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐				
Date : _____	Step #: _____	QTY Effective : _____			MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By	
					Lead hand / Supervisor Approval Verification	
					QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY				
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____		

Work Order ID 158446

Wednesday, March 22, 2017 2:08:12 PM

158446

Page 2

Item ID: D350-636-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Skidtube LH, Std Wearplates, DART (Apical) Cylindrical/Aerazur Float Comp.

Start Date: 3/22/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/31/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	Identify as per dwg & Stock Location: _____	0.00							
120									
Packaging	Memo	fg 073 0.00							
Packaging									
130	QC21- Final Inspection - Work Order Release	0.00							
130									
QC	Memo	0.00							
Quality Control									

DAS
27
9-89

MAR 28 2017

DAS
21
9-89

MAR 29 2017

DAS
21
9-89

MAR 29 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

Picklist Print

Wednesday, March 22, 2017 2:08:11 PM

Page 1

Work Order ID: 158446

Parent Item: D350-636-011

Start Date: 3/22/2017

Required Date: 3/31/2017

Parent Item Name: Skidtube LH, Std Wearplates, DART (Apical) Cylindrical/Aerazur Float Comp.

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:I 02.09.25 Rearranged procedure steps KJ
 IPP Rev:J 06-03-23 As per Rev D JLM
 IPP Rev:K 06-07.13 As per dsi9343 EC
 IPP Rev:L 07-07-28 Added SS Wearplates(Rev E) JLM Verf:EC
 IPP Rev:M 08-04-22 update steps 4, 13 DD verified by:EC
 IPP Rev:N 08-09-23 revF as per dwg DD verified by:ec
 IPP Rev:O 09-02-06 apply antiseize on AN8C21A bolts as per PAR09-010 DD
 verf:EC IPP Rev:P 10.06.22 revise seq110 DD
 verf:EC IPP Rev:Q 10.10.01 as per IIN revH DD verf:EC IPP
 REV:R 13.08.27 PER ECN13-594 DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2741 Replacement Blade		Manufactured	No				Each	25.0000		1			

B/SY/66S

DAS
27
9-89

Location	Loc Qty	Loc Code
FG	10	
131616	10	
ST538	15	
132981	14	
148028	1	

DAS
28
9-89

D2741
Replacement Blade MAR 2 8 2017

Manufactured No Each 25.0000

-1

MAR 2 8 2017

Location	Loc Qty	Loc Code
FG	10	
131616	10	
ST538	15	
132981	14	
148028	1	

SMB
17/3/22

MF 14-3-22

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
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Picklist Print

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Page 2

Work Order ID: 158446

Parent Item: D350-636-011

Start Date: 3/22/2017

Required Date: 3/31/2017

Parent Item Name: Skidtube LH, Std Wearplates, DART (Apical) Cylindrical/Aerazur Float Comp.

Start Qty: 1.00

Required Qty: 1.00

D350-636-011

Manufactured No

Each 5.0000

1

Skidtube LH, Std Wearplates, DART (Apical) Cylindrical/Aerazur Float Comp.

Location

Loc Qty

Loc Code

FG

2

150564

1

150566

1

FG072

3

153446

1

154969

1

154971

1

1x B153432 mf 17-3-22

Wednesday, March 22, 2017 2:08:12 PM

Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____			

List Lots

Page 1 of 1

Wednesday, March 22, 2017 1:51:06 PM

Criteria : Item ID: d350-636-011 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D350-636-011 Skidtube LH, Std Wearplates, DART (Apical) Cylindrical/Aerazur Float Comp.	Heli Tech FG	150564	2/23/2017	1.0000	QC21	CHG007	ANGLE 90.0 DEGRE
	Heli Tech FG	150566	2/23/2017	1.0000	QC21	CHG007	ANGLE 89.6 DEGRE
	Main Warehouse FG072	153432	2/23/2017	1.0000	QC21	CHG007	ANGLE 89.6 DEGRE
	Main Warehouse FG072	153446	2/23/2017	1.0000	QC21	CHG007	ANGLE 89.6 DEGRE
	Main Warehouse FG072	154969	2/23/2017	1.0000	QC21	CHG007	ANGLE 89.9 DEGRE
	Main Warehouse FG072	154971	2/23/2017	1.0000	QC21	CHG007	ANGLE 89.7 DEGRE
Total:				6.0000			

#158446

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

Reason	Parent Item ID	Lot Qty	Lot Nbr	Lot Trans Date	Avg Cost Amt	Last Cost Amt
153432	ALS4-1032-225	-34	M135998	12/13/2016 8:18:45 AM	\$.17	\$.18
153432	ALS4-1032-225	-4	M135998	12/13/2016 8:18:45 AM	\$.17	\$.18
153432	AN3C5A	-34	M136295	12/13/2016 8:18:45 AM	\$.20	\$.20
153432	AN3C6A	-4	m136295	12/13/2016 8:18:44 AM	\$.24	\$.24
153432	AN6C44A	-4	m135718	12/13/2016 8:18:45 AM	\$11.41	\$9.51
153432	AN8C21A	-2	m136262	12/20/2016 3:27:38 PM	\$9.64	\$8.44
153432	AN8C35A	-1	m133336	12/13/2016 8:18:45 AM	\$22.36	\$18.52
153432	D2600-3-BENT-LH	-1	150601	11/28/2016 7:34:40 AM	\$84.57	\$84.57
153432	D2739	-1	153678	11/30/2016 3:36:40 PM	\$51.38	\$48.66
153432	D2741	-1	148028	12/20/2016 3:27:38 PM	\$103.42	\$105.76
153432	D2743	-8	150407	12/6/2016 7:32:32 AM	\$2.94	\$3.15
153432	D2744	-1	150653	11/30/2016 8:59:47 AM	\$4.36	\$3.26
153432	D2745	-8	150681	12/13/2016 8:18:45 AM	\$5.75	\$5.09
153432	D3488-041	-1	150613	12/13/2016 8:18:45 AM	\$135.82	\$135.82
153432	D3490-1	-4	153680	12/6/2016 7:32:32 AM	\$3.13	\$3.30
153432	D3490-3	-4	153679	12/6/2016 7:32:32 AM	\$9.62	\$10.53
153432	D3492-1	-8	153818	12/22/2016 3:06:03 PM	\$2.14	\$2.25
153432	D3492-3	-8	150361	12/13/2016 8:18:45 AM	\$2.73	\$2.66
153432	D3493-1	-2	153790	12/20/2016 3:27:38 PM	\$4.92	\$3.56
153432	D3532-1	-1	153825	12/20/2016 3:27:38 PM	\$5.01	\$7.15
153432	D3532-1	-1	150708	12/20/2016 3:27:38 PM	\$5.01	\$7.15
153432	D3535-25	-1	153991	12/13/2016 8:18:44 AM	\$13.58	\$14.23
153432	D3536-25	-1	153641	12/13/2016 8:18:45 AM	\$4.51	\$4.55
153432	D3537-1	-3	150462	12/13/2016 8:18:44 AM	\$11.59	\$13.82
153432	D3631-1	-8	150675	12/13/2016 8:18:45 AM	\$.09	\$.09
153432	D3791-1	-1	150660	12/13/2016 8:18:45 AM	\$79.35	\$96.80
153432	D3793-1	-1	150194	12/13/2016 8:18:45 AM	\$21.53	\$28.86
153432	D3793-3	-1	150138	12/13/2016 8:18:45 AM	\$19.33	\$19.83
153432	D3794-1	-1	150695	12/13/2016 8:18:44 AM	\$10.03	\$9.78
153432	D3794-3	-1	150181	12/13/2016 8:18:45 AM	\$7.90	\$7.59
153432	MS21043-6	-4	m136295	12/13/2016 8:18:44 AM	\$1.12	\$1.11
153432	MS21083C8	-2	m136047	12/20/2016 3:27:38 PM	\$1.28	\$1.28
153432	MS21083C8	-1	m136295	12/13/2016 8:18:45 AM	\$1.28	\$1.28
153432	NAS1149C0332R	-38	m136199	12/13/2016 8:18:45 AM	\$.02	\$.02
153432	NAS1149C0832R	-1	m125807	12/13/2016 8:18:44 AM	\$.07	\$.05
153432	NAS1149D0863J	-2	125268	12/20/2016 3:27:38 PM	\$.15	\$.15
153432	NAS1515H3L	-4	m135600	12/13/2016 8:18:44 AM	\$.02	\$.01
153432	NAS1611-010	-8	m135603	12/15/2016 3:45:33 PM	\$.29	\$.29
153432	NAS1611-013	-8	m135603	12/13/2016 8:18:44 AM	\$.29	\$.29

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
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				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					